

ABSTRACT OF THE DISCLOSURE

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The invention provides a production process of a gas turbine capable of being applied to various cycles. A principal part of a gas turbine is set ^{initially} ~~in advance~~ based on roughly set conditions, and the number of stages of ~~a~~ the compressor and the number of stages of ~~a~~ the turbine, which can provide conditions suitable for a desired cycle, are set based ^{for} on the set principal part. The compressor and the turbine each having the set number of stages and included in the principal part are combined ~~with each other~~ to construct the gas turbine. When the set number of stages of the compressor or the turbine differs ~~among a plurality of~~ for a different desired cycles, a substantially disk-shaped member having an outer periphery, which forms an inner peripheral wall of ~~a~~ the substantially annular flow passage of the compressor or the principal part turbine, is assembled into the ~~cycle~~ having a smaller number of stages so that the bearing-to-bearing distance is kept constant, ~~in the gas turbine operated in the plurality of~~ desired cycles.

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